

(No Model.)

8 Sheets—Sheet 1.

E. CUTLAN.

TOOL FOR SPIRAL TURNING.

No. 408,521.

Patented May 21, 1889.

Fig. 1.

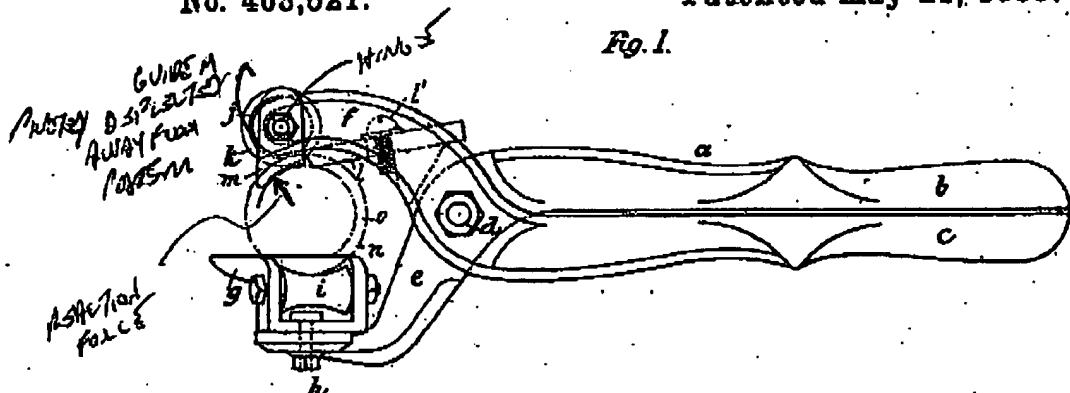
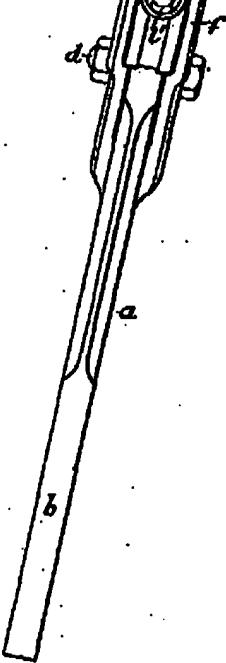
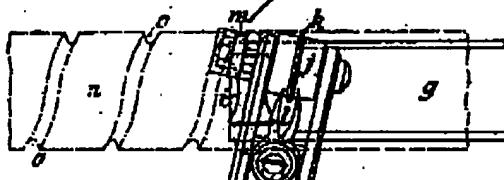


Fig 2 ACTION SPIRAL GROOVED

PAC TION (IF THIS WAS A HOLLOW DRINKING STRAW, THE SPIRAL CUT TION WOULD SWEEP UNDER ITS OWN WEIGHT AWAY FROM THE GUIDE M)



Witnesses:

G. Steffan
John Thorntfield.

Inventor:

Ellis Cutlan

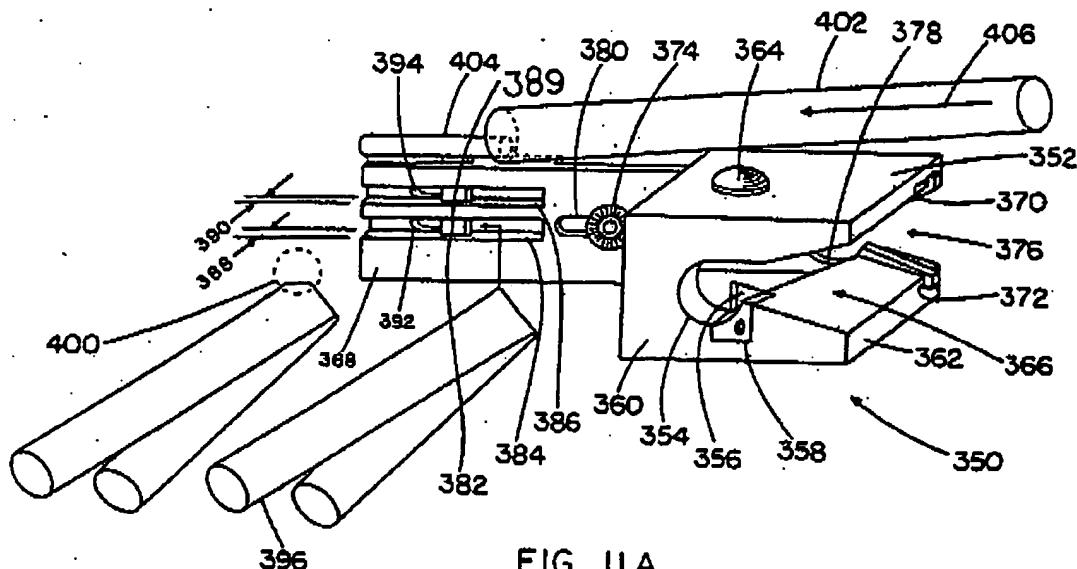


FIG. II A

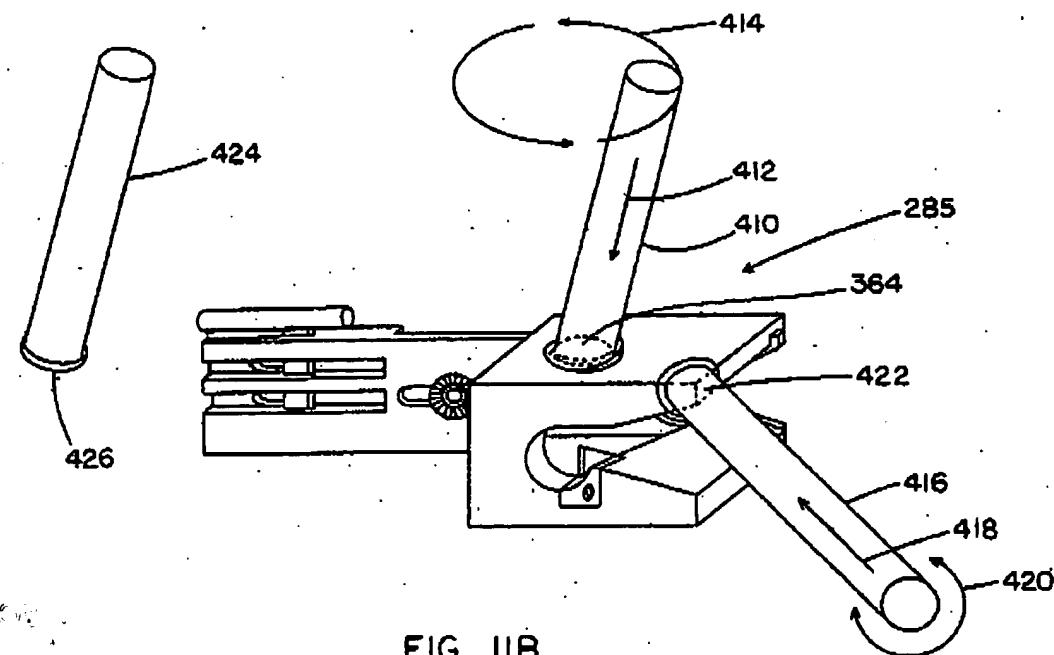


FIG. II B